

## WHAT IS CLAIMED:

1. A kit for installing a protective plenum on a water box subject to freezing, the kit having an enclosure with a dimension greater than the water box on which it is to be installed forming a protective plenum about the water box, the kit also having a connecting element to connect the protective plenum to a source of warm air to form a protective barrier of warm air in the protective plenum.
- 5 2. The kit of claim 1 wherein the connecting element is formed from a thin, flexible plastic sheet material and the sheet of plastic material has opposed edges, the opposed edges of the sheet of plastic material having attaching structure to attach the edges to each other and form a seamed, thin, flexible connecting element.
- 5 3. The kit of claim 2 wherein the attaching structure includes an adhesive layer on an edge of the sheet of plastic material.
4. The kit of claim 3 wherein the adhesive layer is protected by a stripable film.
5. The kit of claim 2 wherein the attaching structure includes an adhesive tape.
6. The kit of claim 5 wherein the adhesive tape is protected by a stripable film.
7. The kit of claim 1 wherein the connecting element is a flanged coupling for connecting the protective plenum to a hot air duct.
8. The kit of claim 2 wherein the plastic film or sheet is fiber reinforced.

5        9. The kit of claim 1 wherein the kit includes thin, flexible tubing, for protecting pipes subject to freezing and associated with the water box, the tubing having a circumference greater than the pipes on which it is to be installed, the thin, flexible tubing being in sections, the kit having joining elements to join adjacent sections of the thin, flexible tubing into a protective plenum around the pipes.

10. The kit of claim 9 wherein the kit also includes a connecting element to connect the protective plenum around the pipes to a source of warm air to at least partially inflate the protective plenum and to form a protective barrier of warm air in the protective plenum around the pipes.

11. The kit of claim 10 wherein the thin, flexible tubing is seamless tubing.

12. The kit of claim 11 wherein the thin, flexible tubing is seamed tubing.

13. The kit of claim 11 wherein the thin, flexible tubing is formed of a plastic film or sheet.

14. The kit of claim 13 wherein the plastic film or sheet is fiber reinforced.

15. The kit of claim 10 wherein the joining elements of the kit include rings for joining adjacent sections of the thin, flexible tubing.

16. The kit of claim 15 wherein the rings are split for snap installation in situ around existing pipe.

17. A kit for installing a protective plenum on a water box subject to freezing, the kit having an enclosure with a dimension greater than the water box on which it is to be installed, the kit also including a connecting tube to connect the enclosure to a hot air duct to form a protective barrier of warm air in the enclosure.

18. The kit of claim 17 wherein the kit also includes thin, flexible tubing for protecting pipes subject to freezing and associated with the water box, the tubing having a circumference greater than the pipes on which it is to be installed, the thin, flexible tubing being in sections, the kit having joining elements to join adjacent sections of the thin, flexible tubing, into a protective plenum around the pipes.

19. A kit for installing a protective enclosure on a water box subject to freezing, the kit having means for forming an enclosure around the water box, the enclosure having greater dimensions than the water box on which it is installed to form a plenum between the water box and the enclosure, the kit having means for installing the enclosure around the water box forming part of a water supply system without disconnecting the water box from the water supply system, the kit also including means for connecting the enclosure to a source of heated air to form a protective barrier of warm air around the water box in the enclosure.